

GAATTCCAGTGTGGCTGGCTCC) .CTGCAGCACAGCACACTCCCTTGCAAGGACCTGAGACCCCTGTGCA. GTC

1 met ile phe pro trp lys [cys] AAGAGGCTAAATGGGCTGCCAGAAGAACTAGAGAAGGACCAAGCAAAGCC ATG ATA TTT CCA TCG AAA [TGT]

10 [20 Signal Sequence
gin ser thr gin arg asp leu trp asn ile phe lys [leu trp gly trp thr met leu [cys]
CAG AGC ACC CAG AGC GAC TTA TGG AAC ATC TTC AAG TTG TGG CCC TGG ACA ATC CTC [TGT]

30 [Probable N-Terminus
[cys] asp phe leu ale his his gly thr tyx [cys] trp thr tyx his tyx ser glu lys pro
TGT CAT TTC CTG GCA CAT CAT GGA ACC TAC TGC TGG ACT TAC CAT TAT TCT GAA AAA CCC

50 60
met asn trp gln arg ala arg arg phe [cys] arg asp [asn tyr thr] asp leu val ala ile
ATG AAC TGG CAA AGC GCT AGA AGA TTC CGA GAC [AAT TAC ACA] GAT TTA GTT GCC ATA

70 80
glu asn lys ala glu ile glu tyr leu glu lys thr leu pro phe ser arg ser tyr tyx
CAA AAC AAG GCG GAA ATT GAG TAT CTG GAG AAG ACT CTG CCC TIC AGT CGT TCT TAC TAC

90 100
trp ile gly ile arg lys ile gly gly ile trp thr trp val gly thr [asn lys ser] leu
TGG ATA GGA ATC CGG AAG ATA GGA GGA ATA TGG ACG TGG GTG GGA ACC AAC AAA TCT CTC

110 120
thr glu glu als glu asn trp gly asp gly glu pro asn asn lys lys asn lys glu asp
ACT GAA GAA GCA GAG AAC TGG GGA GAT GGT GAG CCC AAC AAC AAC AAG AAC AAG GAG GAC GAC

130 140
[cys] val glu ile tyr ile lys arg asn lys asp ala gly lys trp asn asp asp ala [cys]
TGC GTG ATC TAT ATC AAC AGA AAC AAA GAT GCA GGC AAA TGG AAC GAT GAC GCC TGC

150 160
his lys leu lys ala ala leu [cys] tyr thr ala ser [cys] gln pro trp ser [cys] ser gly
CAC AAA CTA AAG GCA GGC CTC TGT TAC ACA GCT TCT TGC CAG CCC TGG TCA TGC AGT GGC

170 180
his gly glu [cys] val glu ile ile asn [asn his thr] [cys] asn [cys] asp val gly tyx tyx
CAT GGA GAA TGT GTA GAA ATC ATC AAT AAC CAC ACC TGC AAC TGT GAT GTG GGG TAC TAT

190 200
gly pro gln [cys] gln leu val ile gln [cys] glu pro leu glu ala pro glu leu gly thr
GGG CCC CAG TGT CAG CCT GTG ATT CAG TGT GAG CCT TIG GAG GCC CCA GAG CTG GGT ACC

210 220
met asp [cys] thr his pro phe gly [asn phe ser] phe ser ser gln [cys] ala phe ser [cys]
ATG GAC TGT ACT CAC CCC TTT GGA AAC TIC AGC TTC AGC TCA CAG TGT CCC TIC AGC TGC

230 240
ser glu gly thr [asn leu thr] gly ile glu glu thr thr [cys] gly pro phe gly [asn trp]
TCT GAA GGA ACA AAC TTA ACT GGG ATT GAA GAA ACC ACC TGT GGA CCA TTT CGA AAC TGG

250 260
ser ser pro glu pro thr [cys] gln val ile gln [cys] glu pro leu ser ala pro asp leu
TCA TCT CCA GAA CCA ACC TGT CAA GTG ATT CAG TGT GAG CCT CTA TCA GCA GAT TTG

270 280
gly ile met [asn cys] ser his pro leu ala ser phe ser phe thr ser ala [cys] thr phe
GGG ATC ATG AAC TGT AGC CAT CCC CTG GGC AGC TTC AGC TTT ACC TCT GCA TGT ACC TTC

290 300
ile [cys] ser glu gly thr glu leu ile gly lys lys thr ile [cys] glu ser ser gly
ATC TGC TCA GAA GGA ACT GAG TTA ATT GGG AAG AAG AAA ACC ATT TGT GAA TCA TCT CGA

310 320
ile trp ser [asn pro ser] pro ile [cys] gln lys leu asp lys ser phe ser met ile lys
ATC TGG TCA [AAT CCT AGT] CCA ATA TGT CAA AAA TTG GAC AAA AGT TTC TCA ATG ATT AAG

330 340 Stop Transfer Sequence
glu gly asp tyr asn pro leu phe ile pro val als val met val thr als phe ser gly
GAG GGT GAT TAT AAC CCC CTC TIC ATT CCA GTG GCA GTC AGT GTT ACT GCA TIC TCT CGG

350 360
leu als phe ile ile trp leu als arg arg leu lys lys gly lys ser lys arg ser
TTC GCA TTT ATC ATT TGG CTG GCA AGG AGA TTA AAA AAA GGC AAG AAA TCC AAG AGA AGT

370 372
met asn asp pro tyx OC
ATG AAT GAC CCA TAT TAA ATCGCCCTTGGTCAAAGAAAATTCTGAAATACTAAATCATGAGATCCTTTA

AAATCTTCCATGAAACGTTTGTGTTGGCACCTCTACGTCAAACATGAGTGTGTCCTCATGTCATCTGGAA
GATTTCTACCCGACCAACAGTCTCTACGCTTCCATTCTGCCCCCTCATTTATCCCTCAACCCCCAGCCACAGGTGT

TATACAGCTCAGCTTCTGCTTCTGAGGAGAACAAATAAGACCATAAGGAAAGGATTCATGTGAAATAATAAAG
ATGGCTGACTTCTCTTCTGACTCTGTTCTGACTCTGTTCTGACTCTGCTCTGAGTCAAACTTACGTCGTTCTGTATACT

GTGGAGGTACACTCTTATAGAAAGTCAAAAAGTCTACGCTCTCTTCTTCTAACTCCACTGAACTAATGGCTCAG

GGCTCCCCACCTCTCAGCCACCTCTCTTCTGAGTGGCTGACTTCCACCTAGCATCTCATGAGTCCCAGCAA
AAGGAGAGAGAGAGAAATAGCCCTGGGGGGTTTGTGTTGGGGCTGTTCTGTTCTTATGAGACCCATTCT

ATTTCTTATAGTCAATGTTCTTATCAGATATTATAGTAAAGAAAACATCACTGAAATGCTACGTCAAGTGACA
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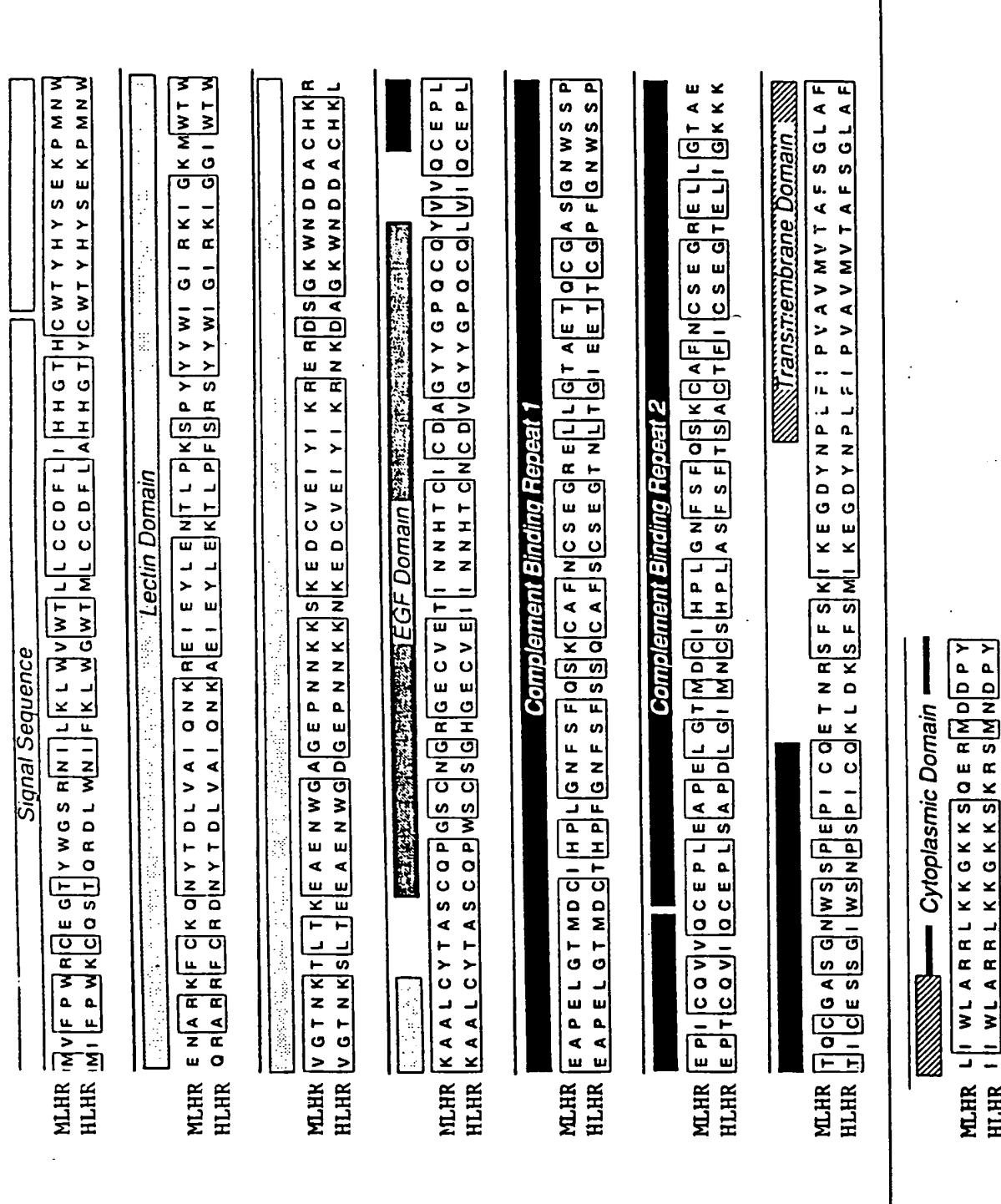
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Fig. 1

Fig. 2

Fig. 7



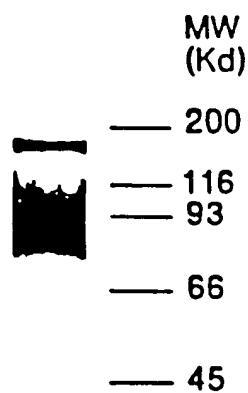


Fig. 4A

T H K M K F K VVIL K
 1 10 20 30
 XTYHYSEKPMNWENARKFXKQNYTDLVAIQNKXXIEYL

Fig. 4B

5' A A C A C 3'
 GAG AAG CCC ATG AAT TGG GAG AAT GC

Fig. 4c

Fig. 5

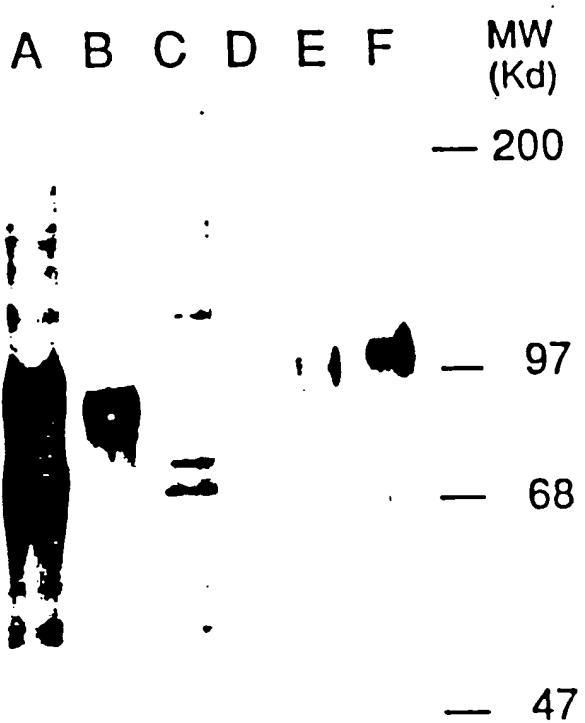


Fig. 6 A

Fig. 6B

MLHR	160	C Q P G S C N G R G E C V E T - N N H T C - C D A G Y Y G P Q C Q Y
Notch	1021	C T E S S C L N G G S C I D G I N G Y N C S C
S.purp.	61	C A S A P C Q N G G V C I D G V N G Y M C D C
Pro.Z	1	C A S Q P C L N N G S C O D S I R G Y A C T C A P G Y E G P N C A F
Fact.X	61	C E G H P C L N Q G H C K D G I G D Y T C T C A E G F E G K N C E F
Fact.VII	61	C E T S P C Q N Q G K C K D G L G E Y T C T C L E G F E G K N C E L
Fact.IX	1	C E S N P C L N G G M C K D D I N S Y E C W C Q A G F E G T N C E L
Lin-12	361	C L E N P C S N G G V C H Q H R E S F S C D C P P G F Y G N G C E Q
Fact.XII	121	C R T N P C L H G G R C L E V E G H R L C H C P V G Y T G P F C D V
Mu.egf	841	C G P G G C G S H A R C Y S D G E T A E C Q C L K G F A R D G N L C

Fig. 6c

M1HR	197	CEP LEAP [ELG] TMD - CI HPLGNFSF QSKCAF NCSEG - RELL GTAE - TQC -
HuComH	1	PGGHPGDT PFGTF - TL TGGNVYFE YGYKAVYTCNEG - YOLLGEIN YREC -
MuComH	61	PGGHPGDT PFGSF - RLA VGS OFFEGAKVYTCNEG - YOLLGEIDYREC -
Hubeta	1	CTP RYC PFA GI LENGAVRYT TFEYPNTISESCNTG - FYLN GADC - AKC -
HuCR1	261	COP - PPDVLHAER - TOR DKD [NFS] PGOEV FYSCEPG - YDLRCAAS - MRC -
EBV/CJd	361	ECQ APPN I LNGQK - ED RH MVA FD PGTSIKYSCNPQ - YVLYGEES - IOC -
HuC2	121	GAGHCPNPGISLG - AV RTGFRAFGHGD[KVRYRCSSN - LYLTGSSE - REC -
HuB	61	IHC PRPHDFENGE - YWP RSPYYNNVSDEI SFHCYDG - YT LRG SAN - RTC -
MuC4b	341	EFC PSSPP ALKDG F - VODEGP MFPV GKNVYTCNEG - YSLIGNPV - ARC -
HuC1s	241	EDTPNSVWEPAKA - KYVFRDVVAITCLDGFEVVEG - AVGATSFY - STC -
HuC4b	1	- -
HuDAF	61	EVP TRLN S ASLKA - PYITONYFPVQTVVVEYECRPGYREPEPSLSPK - LTC -
VacSecP	61	I KARACPS PRD IDN - GOLDIGQVDFCSIT YSCNSG - YHLIGESK - SYCE

M1HR	202	QASGN - WS SPEPI CQVQCEP LEAPELG - TMDCIH P - LGNFS - FQ
HuComH	47	DTDG - WTNDIPICEVVKCLPVTAPENCKIVSSAMEP - DREYH - FG
Hubeta	177	GAD - WINDIPICEVVKCLPVTTELNGRI VSGAAET - DQEYY - EG
HuCR1	47	TEEGK - WSPELPVCAPIICPPPSIPTFA - TLAVYKPSAGNNNSLYR
EBV/CJd	205	TPQGD - WS PAAPTCEVKS CDD FM QQLLN - GR - VLF P - V - NLO - LG
HuC2	405	TSEG V - WTPPVPPQCKYAACEA - TQRQI - LT - KP - QHQF - VR
HuB	965	OQNGV - WS QTEPI CRQPSYDFFPEDVAP - ALGT SFS - HMLGA - TN
MuC4b	505	QVNCR - WS GOTAI CDNQAGYC - SNPQI - PI GTR KV - GSOYR - LE
HuCR18	205	GEDLR - WL VQEM H COKI AC - VLPVLM D - GQSHPO - KPFYT - VG
HuC4b	77	QS NGK - WS NSKLK C QP DCQI PESIENG - KVE - DP - ESTL - FQ
HuDAF	108	VENETIGV - WRPSPP TCEKI TCRKP DVSHGE - MVS GFGD - I - YN - YK
VacSecP	97	LONLK - WSTA VEFCKKKSC - P - NPG EIR - NGO - IDV - P GCI L - FG

M1HR	203	RELGTAE MHC - - - COETNARS
HuComH	69	QAVRFVCHNSC - - - YKI EGDEEM HC - - - SDDGFWSKEKPKCV
MuComH	149	QVVRFECHNSC - - - FKI EGHKEI HC - - - SENGLWSNEKPRC
Hubeta	30	DTAYFECLPQ - - - HAMFGNDTITN - - - TTHQNWTK - LP ECREV KCP
HuCR1	324	AKV DFEV CDEQ - - - FQI KGS S AS YC VLA GMESLWNNSVYPC - - - QQTIPWFMEIRLCKEI
EBV/CJd	441	PDV NSSC QEQ - - - YKL Q S Q S V Y Q E C - - - NLYLLLD C S Q S V S E N D F L I
HuC2	207	PTQKTKESSLQ - - - RKI QRSQHL - - - RQS Q R R T C - - - OEGQGSWSQTEPSQODSF MY
HuB	145	DSYTYHCGRC - - - LTL RGS Q R S AFLC - - - QSSSLKWSPEMKNARCVQKE
MuC4b	65	EKVTVSCSQG - - - MSLEOPSAFLC - - - AGNGSWVNEV LQPELPKCV
HuCR18	224	SV - RYTCEEPEYYMEN Q G Q Q E Y H C - - - DADS KWN
HuC4b	39	DTIYFKCOKC - - - FYL RGS SVI HC - - - DADDS KWN
HuDAF	146	ATISFS CNTG - - - YKL FG ST 9 S F CL - - - SASSYQWS DPLPECREI YCP
VacSecP	149	SVVTTYSCHNSC - - - YSLICNSQVLC - - - SQQEWSDP - PTCQIVKCP

Fig. 7

